

PATENT COOPERATION TREATY

REC'D 21 JUL 2005

WIPO

PCT

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

see form PCT/ISA/220

PCT

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/US2005/011905

International filing date (day/month/year)
08.04.2005

Priority date (day/month/year)
15.04.2004

International Patent Classification (IPC) or both national classification and IPC
H04L29/08

Applicant
CITRIX SYSTEMS, INC.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☒ Box No. VII Certain defects in the international application
- ☒ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
Fax: +49 89 2399 - 4465

Authorized Officer

Cankaya, S

Telephone No. +49 89 2399-7005



**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2005/011905

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material:
 - ☐ in written format
 - ☐ in computer readable form
 - c. time of filing/furnishing:
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in computer readable form.
 - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/US2005/011905

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-26
	No: Claims	
Inventive step (IS)	Yes: Claims	1-26
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-26
	No: Claims	

2. Citations and explanations

see separate sheet

Box No. VII Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

V Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following document:

D1: US 2003/055896

- 1 The closest prior art represented by document **D1**, which describes a method comprising:

A bandwidth-adaptive method (paragraph 27) for synchronizing display data between a source node and a plurality of consumer nodes (paragraph 22); identifying by a source node, a change in local display data (paragraph 26); creating by the source node, at least one data packet representing the change in local display data (paragraph 26).

The difference between the method set out in independent **claim 1** and that in D1 is that, according to claim 1:

- receiving, from the source node, metadata information identifying at least one data packet representing the current state of local display data;
- receiving, from the source node, at least one of the identified data packets;
- selecting at least one of the received data packets responsive to the received metadata information;
- transmitting to a consumer node the metadata information; and
- transmitting to the consumer node the selected at least one data packet.

The technical problem to be solved by the present invention, therefore, is how to regulate the flow control of display data updates on multiple clients for synchronization of displays thereon.

This is mainly done by selecting display data update packets by the consumer nodes, clients, according to the received metadata information, where the metadata information identifies updated display data for the current update stream. Some update packets may then be dropped for the clients which have a low-bandwidth

connection.

This is not suggested in prior art.

In document D1, state parameters defining the current status of the display are transmitted from the server to the multiple clients. Each clients compares its state parameters with the state parameters received. If a mismatch is found, new display data is requested from the server.

Thus D1 leads to a different solution since there is no flow control applied to the display update data.

The subject-matter of claim 1 is therefore new (Article 33(2) PCT).

- 1.1 The above argumentation also applied to the corresponding apparatus claim 14 (Article 33(2) PCT).

VII Certain defects in the international application

- 2 The independent claims do not meet the requirements of Rule 6.3(b)(I), (ii) PCT as they are not properly recast in two-part form, with those features disclosed in document D1 being placed in the preamble.
- 3 The description is not in conformity with the claims as required by Rule 5.1(a)(iii) PCT.
- 4 The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).
- 5 In order to facilitate the examination of the conformity of the amended application with the requirements of Article 34(2)(b) PCT, the applicant is requested to clearly identify the amendments carried out, irrespective of whether they concern amendments by addition, replacement or deletion, and to indicate the passages of the application as filed on which these amendments are based.

VIII Certain observations on the international application

- 6 The application does not meet the requirements of Article 6 PCT.
- 6.1 The application comprises multiple independent claims of the same category and therefore does not meet the requirement of conciseness.
- 6.2 The antecedent definition of "the changing data set" is missing in claim 3.
- 6.3 Category of claims 15-19 and 22-25 is unclear. Although these claims (15-19 and 22-25) seek protection for an apparatus, they comprise method steps.